
WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

**RWF 422-25
Rulison
Garfield County , Colorado**

Cement Surface Casing
24-Sep-2013

Post Job Report

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3107550	Quote #:	Sales Order #: 900767129
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: Brunk, Andrew	
Well Name: RWF	Well #: 422-25	API/UWI #: 05-045-21964	
Field: Rulison	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Lat: N 39.497 deg. OR N 39 deg. 29 min. 49.117 secs.		Long: W 107.841 deg. OR W -108 deg. 9 min. 32.112 secs.	
Contractor: Aztec		Rig/Platform Name/Num: Aztec 1000	
Job Purpose: Cement Surface Casing			
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: KEANE, JOHN	MBU ID Emp #: 486519

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BANKS, BRENT A	0.0	371353	KEANE, JOHN Donovon	0.0	486519	SMITH, DUSTIN Michael	0.0	418015

Equipment

HES Unit #	Distance-1 way						
10567589C	30 mile	11021972	30 mile	11027039	30 mile	11259881	30 mile
11808829	30 mile						

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Top	Bottom	Called Out	Date	Time	Time Zone
Form Type		BHST	On Location	24 - Sep - 2013	10:30	MST
Job depth MD	1133. ft	Job Depth TVD	Job Started	24 - Sep - 2013	17:55	MST
Water Depth		Wk Ht Above Floor	Job Completed	24 - Sep - 2013	18:50	GMT
Perforation Depth (MD)	From	To	Departed Loc	24 - Sep - 2013	20:15	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft

Sales/Rental/3rd Party (HES)

Description	Qty	Qty uom	Depth	Supplier
PLUG,CMTG, TOP, 9 5/8, HWE, 8.16 MIN/9.06 MA	1	EA		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1

Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

Stage/Plug #: 1

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Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	Fresh Water Spacer		50.00	bbl	8.33	.0	.0	.0		
2	VariCem GJ1 Lead Cement	VARICEM (TM) CEMENT (452009)	170.0	sacks	12.3	2.38	13.75		13.75	
13.75 Gal		FRESH WATER								
3	VariCem GJ1 Tail Cement	VARICEM (TM) CEMENT (452009)	160.0	sacks	12.8	2.11	11.75		11.75	
11.75 Gal		FRESH WATER								
4	Displacement Fluid		86.00	bbl	8.34	.0	.0	.0		
Calculated Values			Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
Rates										
Circulating		Mixing		Displacement		Avg. Job				
Cement Left In Pipe		Amount	0 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct				Customer Representative Signature						

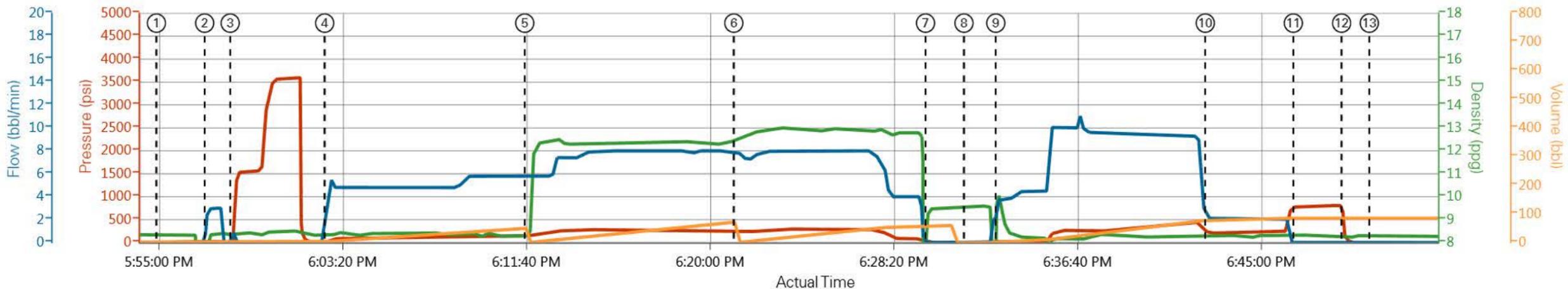
The Road to Excellence Starts with Safety

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Field: Rulison	City (SAP): RIFLE	County/Parish: Garfield	State: Colorado
Legal Description:			
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Contractor: Aztec		Rig/Platform Name/Num: Aztec 1000	
Job Purpose: Cement Surface Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Surface Casing	
Sales Person: MAYO, MARK		Srvc Supervisor: KEANE, JOHN	MBU ID Emp #: 486519

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	09/24/2013 05:00							
Pre-Convoy Safety Meeting	09/24/2013 08:30							WITH HES
Arrive At Loc	09/24/2013 10:30							RIG PULLING DRILL PIPE UPON HES ARRIVAL
Assessment Of Location Safety Meeting	09/24/2013 10:40							WITH HES
Pre-Rig Up Safety Meeting	09/24/2013 16:25							WITH HES
Rig-Up Equipment	09/24/2013 16:35							
Pre-Job Safety Meeting	09/24/2013 17:10							WITH HES, WPX, AND AZTEC 1000
Start Job	09/24/2013 17:55							TD 1143 FT, TP 1133 FT, SHOE 44 FT, HOLE 13.5 IN, MWT 9.2 LB/GAL, CSG 9.625 IN 32.3 LB/FT H-40
Pump Water	09/24/2013 17:57		2	2			138.0	FILL LINES
Test Lines	09/24/2013 17:58							LOW TEST AT 1560 PSI, HIGH TEST AT 3592 PSI, PRESSURE HOLDING
Pump Spacer	09/24/2013 18:02		5	50			138.0	FRESH WATER
Pump Lead Cement	09/24/2013 18:11		8	72			289.0	MIXED AT 12.3 LB/GAL, 170 SKS, 2.38 FT ³ /SK, 13.75 GAL/SK, DENSITY VERIFIED USING PRESSURIZED MUD SCALES

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Tail Cement	09/24/2013 18:21		8	60			279.0	MIXED AT 12.8 LB/GAL, 160 SKS, 2.11 FT3/SK, 11.75 GAL/SK, DENSITY VERIFIED USING PRESSURIZED MUD SCALES
Shutdown	09/24/2013 18:29						80.0	
Drop Plug	09/24/2013 18:31							PLUG LAUNCHED
Pump Displacement	09/24/2013 18:33		10	76				FRESH WATER
Slow Rate	09/24/2013 18:42		2	10			233.0	SLOWED AT 76 BBL AWAY
Bump Plug	09/24/2013 18:46		2				252.0	PLUG BUMPED AT CALCULATED DISPLACEMENT
Check Floats	09/24/2013 18:48						786.0	FLOATS HOLDING, .75 BBL RETURNED TO THE TRUCK
End Job	09/24/2013 18:50							GOOD CIRCULATION THROUGHOUT THE JOB, 4 BBL CEMENT CIRCULATED TO SURFACE, 1 ADD HOUR CHARGED, NO DERRICK CHARGE, PIPE WAS STATIC DURING THE JOB, RIG DID NOT USE SUGAR
Post-Job Safety Meeting (Pre Rig-Down)	09/24/2013 19:00							WITH HES
Rig-Down Equipment	09/24/2013 19:10							
Pre-Convoy Safety Meeting	09/24/2013 20:00							WITH HES
Crew Leave Location	09/24/2013 20:16							
Comment	09/24/2013 20:16							THANKS FOR USING HALLIBURTON, JOHN KEANE AND CREW

WPX - RWF-422-25 - 9.625 IN SURFACE



PS Pump Press (psi) DH Density (ppg) Comb Pump Rate (bbl/min) Pump Stg Tot (bbl)

- ① Start Job -7;8.29;0;1.6 ④ Fresh Water Spacer 23;8.32;3.4;4.2 ⑦ Shutdown 2;9.49;0;59.7 ⑩ Slow Rate 222;8.25;2.1;77.4 ⑬ End Job -18;8.21;0;85.1
- ② Prime Pumps -1;7.98;2.9;1.8 ⑤ Pump Lead Cement 149;8.32;5.8;0.1 ⑧ Drop Plug -10;9.51;0;0 ⑪ Bump Plug 788;8.3;0;85.1
- ③ Test Lines -1;8.37;0.9;3.7 ⑥ Pump Tail Cement 255;12.55;7.8;0.1 ⑨ Pump Displacement 28;10.04;3.8;0.9 ⑫ Check Floats 149;8.27;0;85.1

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Created: 2013-09-24 17:31:28, Version: 2.0.606

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 9/24/2013 5:33:46 PM

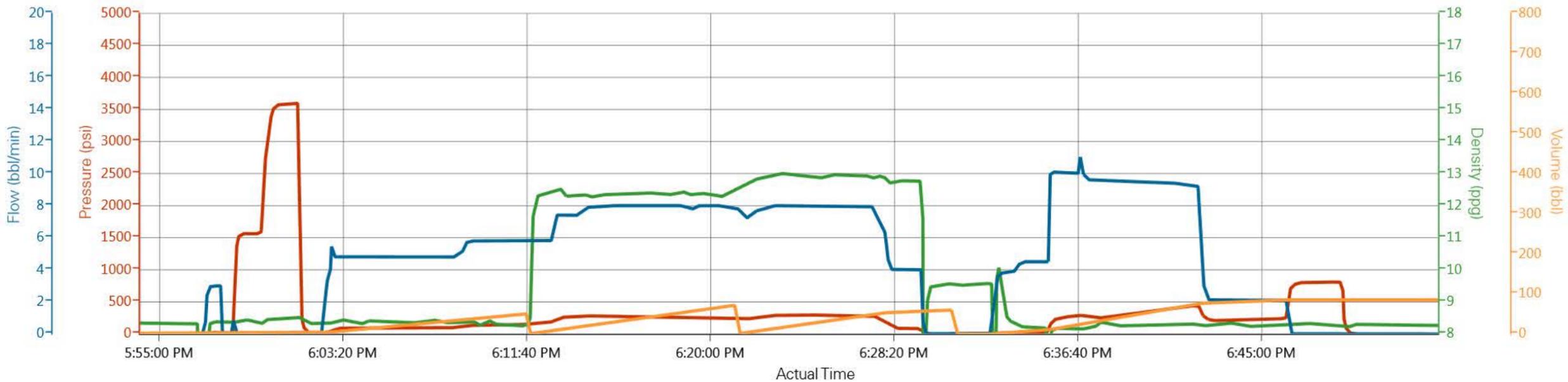
Well: RWF-422-25

Representative: ANDREW BRUNK

Sales Order #: 900767129

ELITE 3: JOHN KEANE / BRENT BANKS

WPX - RWF-422-25 - 9.625 IN SURFACE



— PS Pump Press (psi)
 — DH Density (ppg)
 — Comb Pump Rate (bbl/min)
 — Pump Stg Tot (bbl)

HALLIBURTON

Water Analysis Report

Company: WPX

Date: 9/24/2013

Submitted by: JOHN KEANE

Date Rec.: 9/24/2013

Attention: CHUCK ROSS

S.O.# 900767129

Lease RWF

Job Type: SURFACE

Well # 422-25

Specific Gravity	<i>MAX</i>	1
pH	<i>8</i>	7.3
Potassium (K)	<i>5000</i>	200 Mg / L
Calcium (Ca)	<i>500</i>	400 Mg / L
Iron (FE2)	<i>300</i>	0 Mg / L
Chlorides (Cl)	<i>3000</i>	500 Mg / L
Sulfates (SO ₄)	<i>1500</i>	<200 Mg / L
Chlorine (Cl ₂)		0 Mg / L
Temp	<i>40-80</i>	59 Deg
Total Dissolved Solids		410 Mg / L

Respectfully: JOHN KEANE

Title: CEMENTING SUPERVISOR

Location: Grand Junction, CO

NOTICE: This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or its

Sales Order #: 900767129	Line Item: 10	Survey Conducted Date: 9/25/2013
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT SURFACE CASING BOM
Customer Representative:		API / UWI: (leave blank if unknown) 05-045-21964
Well Name: RWF		Well Number: 422-25
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

CUSTOMER SATISFACTION SURVEY

CATEGORY	CUSTOMER SATISFACTION RESPONSE	
Survey Conducted Date	The date the survey was conducted	9/25/2013
Survey Interviewer	The survey interviewer is the person who initiated the survey.	JOHN KEANE (HB58526)
Customer Participation	Did the customer participate in this survey? (Y/N)	No
Customer Representative	Enter the Customer representative name	
HSE	Was our HSE performance satisfactory? Circle Y or N	
Equipment	Were you satisfied with our Equipment? Circle Y or N	
Personnel	Were you satisfied with our people? Circle Y or N	
Customer Comment	Customer's Comment	

CUSTOMER SIGNATURE

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Customer Representative:		API / UWI: (leave blank if unknown) 05-045-21964
Well Name: RWF		Well Number: 422-25
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	9/25/2013
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	Vertical
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	4
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Operating Hours (Pumping Hours)	1
Total number of hours pumping fluid on this job. Enter in decimal format.	
Customer Non-Productive Rig Time (hrs)	0
Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	6
Number Of Jsas Performed	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Was this a Primary Cement Job (Yes / No)	Yes

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Well Name: RWF		Well Number: 422-25
Well Type: Development Well	Well Country: United States of America	
H2S Present:	Well State: Colorado	Well County: Garfield

Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	95
Was Automated Density Control Used? Was Automated Density Control (ADC) Used ?	Yes
Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	95
Nbr of Remedial Sqz Jobs Rqd - Competition Number Of Remedial Squeeze Jobs Required After Primary Job Performed By Competition	0
Nbr of Remedial Plug Jobs Rqd - HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
Nbr of Remedial Sqz Jobs Rqd - HES Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0